

Abstract

The self-opener closure comprises a spout (2) having a projecting lower rim (9) which
5 is to be moulded or glued to a composite packaging, an associated rotary cap (1) as
well as a self-opener sleeve (3) arranged within the spout (2). This self-opener sleeve
(3) can be made to rotate by the rotary cap (1). The inner side of the spout (2) is
provided with four guide webs having varying inclines arranged over its inner
circumference. These interact with specially formed guide ribs at the outer wall of the
10 self-opener sleeve (3), which brings about that the self-opener sleeve (3), when
continuously rotated in the inside of the spout (2), and by being guided at these guide
ribs, describes an uneven downwardly directed movement, which superposes its
rotational movement. Thus, the self-opener sleeve (3) first pierces the paper or
cardboard laminate with the tip (24) of its lancing mandrel in a steep, screwline
15 downwardly directed movement, and thereafter completes a horizontal rotational
movement about 340°, whilst it cuts a circular disk out of the laminate with its sharp
cutting edge, and thereafter pivots this downwards and retains it in this position.

(Figure 3)